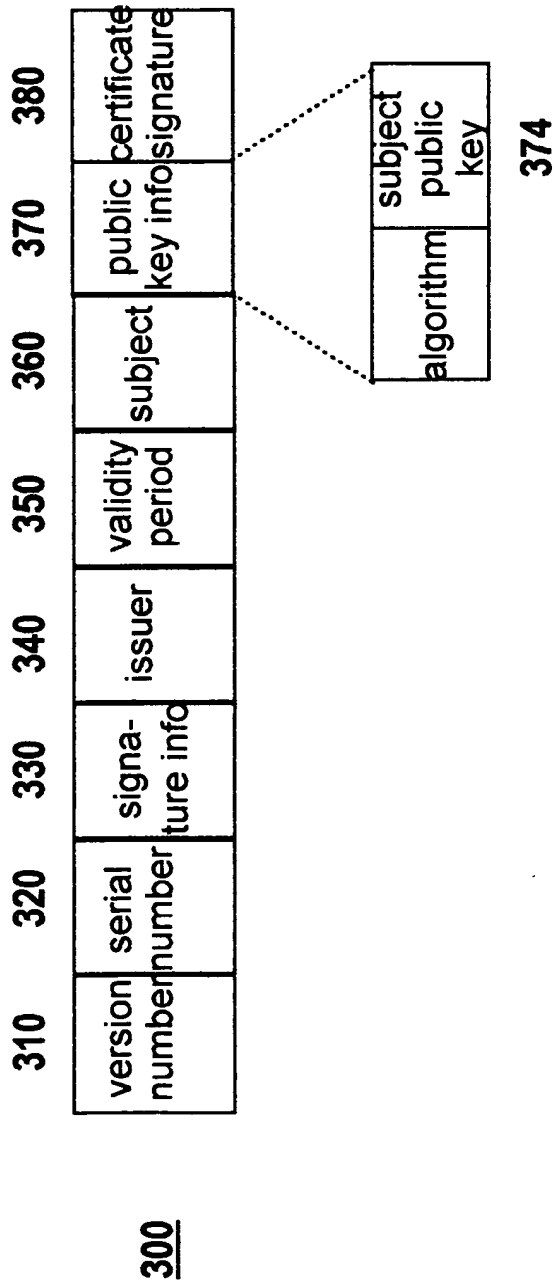


FIG. 1
(PRIOR ART)





```

sequenceDiagram
    participant Client as 401 Emulator Client
    participant Server as 402 TN3270 Server
    participant Host as 403 Host System
    participant RACF as 404 RACF

    Client->>Server: Client initiates SSL session using X.509 certificate
    Server->>Client: Client negotiates Telnet services
    Server->>Host: TN3270 Server opens SNA session on client behalf
    Host->>Client: 3270 Application data flows through TN3270 Server to client
    Client->>Server: Client signifies initial logon sequence (APPLID) via asynch notification
    Server->>RACF: TN3270 Server passes cached certificate and APPLID to RACF in exchange for passticket
    RACF->>Server: RACF returns passticket and user ID
    Client->>Server: Client signifies logon with placeholders ($USR.ID$, $PSS.WD$)
    Server->>Host: TN3270 Server inserts returned user ID and passticket into the 3270 datastream
    Host->>Client: 3270 application traffic proceeds as before
    Note over Client: ...
    Client->>Server: Client initiates new signon sequence, (APPLID) via asynch notification
    Server->>RACF: TN3270 Server passes existing certificate and APPLID to RACF for passticket
    RACF->>Server: RACF returns passticket and user ID
    Client->>Server: Client signifies additional logon with placeholders ($USR.ID$, $PSS.WD$)
    Server->>Host: TN3270 Server inserts returned user ID and passticket into the 3270 datastream
    Host->>Client: 3270 application traffic proceeds as before
  
```

FIG. 5

Client

Server

Telnet negotiations in progress between Client and Server...

<-- IAC DO NEW-ENVIRON

IAC WILL NEW-ENVIRON -->

<-- IAC SB NEW-ENVIRON SEND
USERVAR PASSTICKET
USERVAR APPLID
IAC SE

510

IAC SB NEW-ENVIRON IS -->
USERVAR PASSTICKET VALUE YES
USERVAR APPLID VALUE
IAC SE

...

Finish Telnet negotiations.

Server sends USS MSG10.

Client starts Logon macro

525

IAC SB NEW-ENVIRON INFO --->
USERVAR APPLID VALUE RALVMS
IAC SE

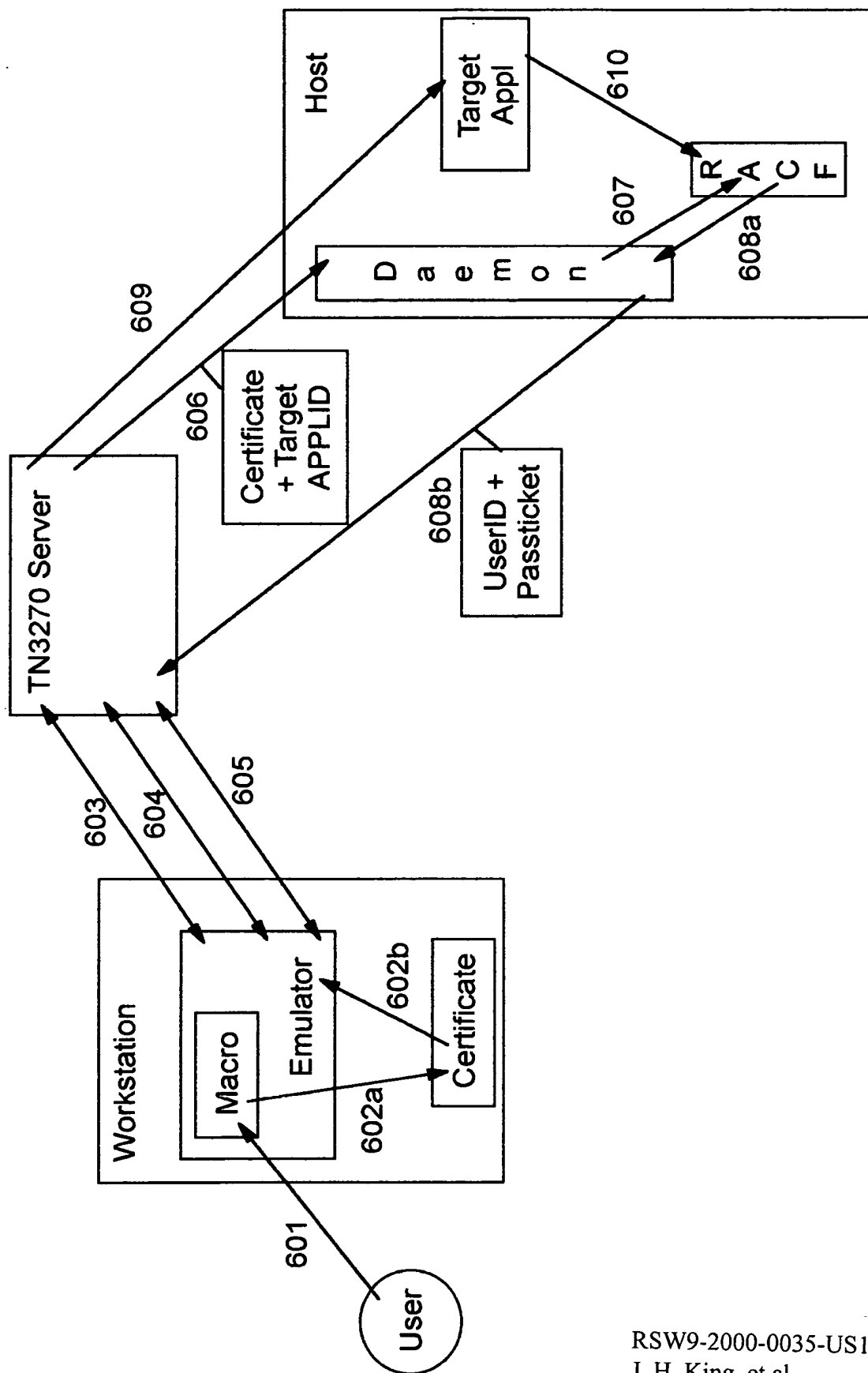
...

555

IAC SB NEW-ENVIRON INFO --->
USERVAR APPLID VALUE TSO1
IAC SE

00000000-50000000

FIG. 6



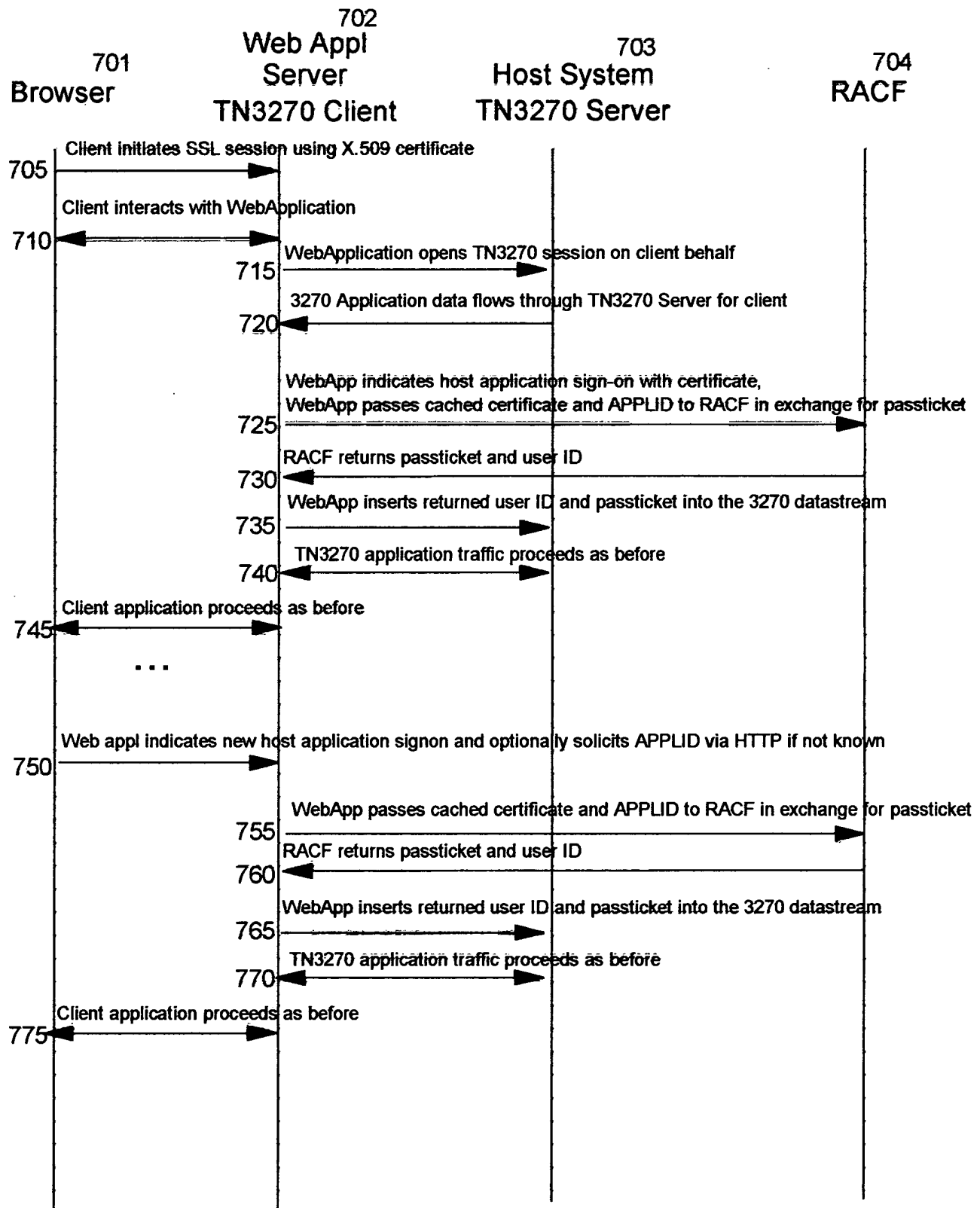
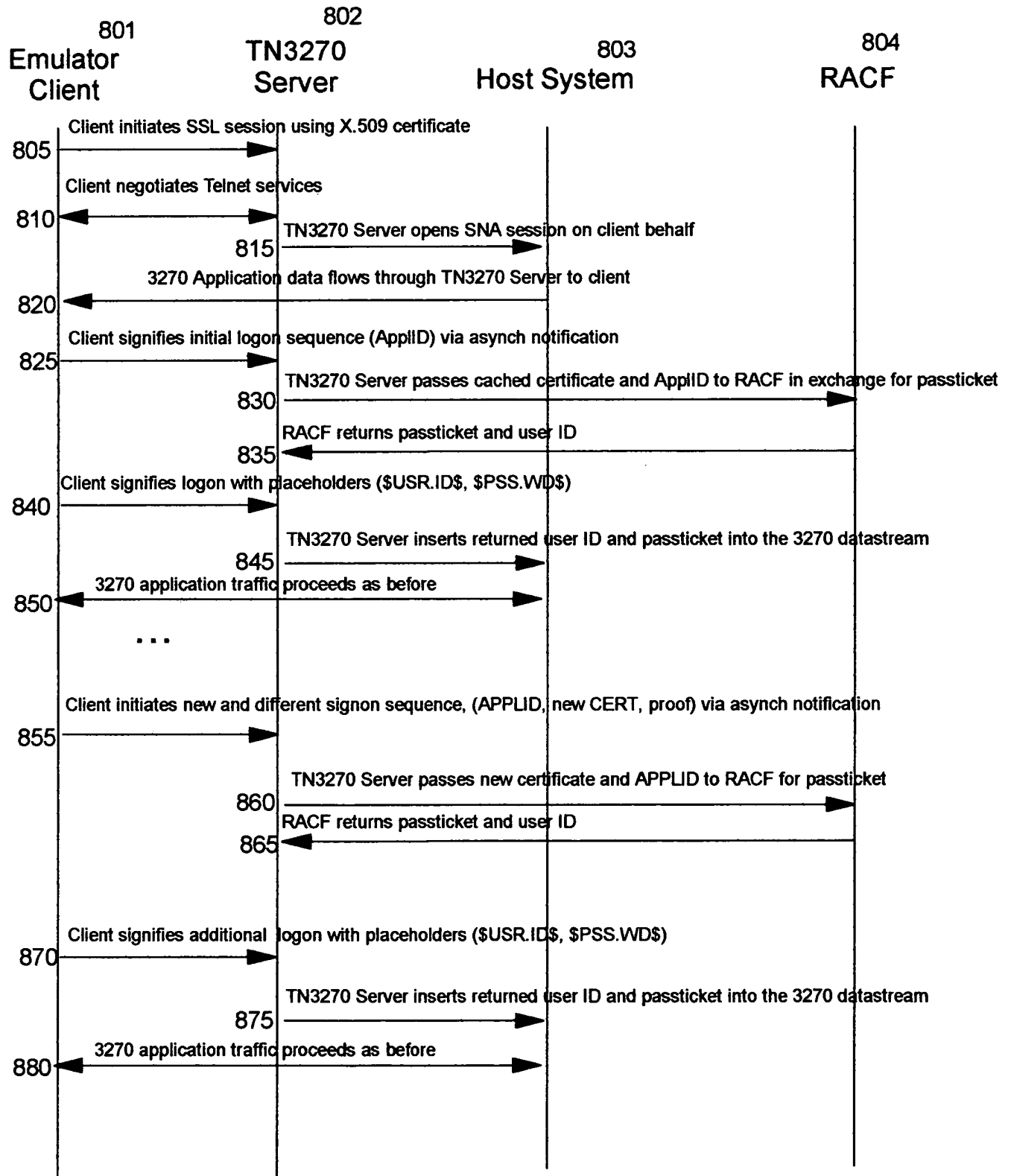
[illegible]

FIG. 8



DRAFT 5026T560

Server

```
IAC SB NEW-ENVIRON INFO      --->
USERVAR APPLID VALUE TSO1
USERVAR CERTIFICATE VALUE <certificate contents>
USERVAR AUTHINFO <random || sequence number || applid value>
IAC SE
```